

component];

selecting specific components from said plurality of system components for use in said computerized model;

representing said selected specific components in said display;

running prediction models using the computerized model and said performance attributes to predict performance characteristics of a communications network composed of said selected specific components, said prediction models utilizing said frequency dependent characteristics in calculations which predict said performance characteristics of said communications network.

Claim 10 (amended). An apparatus for designing or deploying a communications network, comprising:

a means for providing

(I) a computerized model which represents a physical environment in which a communications network is or will be installed, said computerized model providing a display of at least a portion of said physical environment, and

(II) performance attributes for a plurality of system components which may be used in said physical environment, a number of said system components having associated with them frequency dependent characteristics[ of said system component];

a means for selecting specific components from said plurality of system components for use in said computerized model;

a means for representing said selected specific components in said display;

and

a means for running prediction models using the computerized model and said performance attributes to predict performance characteristics of a communications network composed of said selected specific components, said prediction models utilizing said frequency dependent characteristics in calculations which predict said performance characteristics of said communications network.

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